SUBJECT: SOIL EROSION
CATEGORY: USLE – RELATION TO "T" VALUE
QUALIFIERS: 1997 CULTIVATED CROPLAND
REPORTING UNIT: AREA (THOUSANDS OF ACRES)
GEOGRAPHIC AREA: MISSOURI MAJOR LAND RESOURCE AREA 107

TABLE: SUMMARY OF SHEET AND RILL EROSION IN RELATION TO "T" VALUES ON CULTIVATED CROPLAND BY "T" CATEGORIES FOR MLRA 107

	> T <= 2T	> 2T <= 3T	> 3T <= 4T	>4T <= 5T	> 5T
acres eroding above "t"	376	156	119	80	124
% of total mlra cultivated cropland	18%	8%	6%	4%	6%
% of total mlra cultivated cropland eroding above "t"	43%	18%	14%	9%	15%
% of total state cultivated cropland	3%	1%	1%	<1%	1%
% of total state cultivated cropland eroding above "t"	9%	4%	3%	2%	3%
% of total state cultivated cropland in "t" category	19%	20%	27%	30%	22%

MLRA 107: TOTAL SURFACE AREA = 4296
TOTAL ACRES OF CULTIVATED CROPLAND = 2076
TOTAL ACRES OF CULTIVATED CROPLAND ERODING ABOVE "T" = 846

MISSOURI: TOTAL ACRES OF CULTIVATED CROPLAND = 10513
TOTAL ACRES OF CULTIVATED CROPLAND ERODING ABOVE "T" = 3928

* USLE – Universal Soil Loss Equation. This equation estimates average annual soil loss from sheet and rill erosion. Location specific data for the field in which the NRI point falls or that portion of the field surrounding the point that would be considered in conservation planning are used in the NRI calculation. "T" Factor – The maximum rate of annual soil erosion that will permit crop productivity to be sustained economically indefinitely.

DATA SOURCE: 1997 NATIONAL RESOURCES INVENTORY (REVISED DECEMBER 2000)